

LNP™ STAT-KON™ PX09011 compound

Polyamide 6

SABIC Innovative Plastics Europe

Message:

LNP STAT-KON PX09011 is a compound based on PA 6 resin containing Carbon Powder, Glass Fiber. Added features include:Electrically Conductive, Easy Molding, Heat Stabilized.

Also known as: LNP* STAT-KON* Compound PX09011

Product reorder name: PX09011

General Information			
Filler / Reinforcement	Glass\Carbon Powder		
Additive	Heat Stabilizer		
Features	Electrically Conductive		
	Good Moldability		
	Heat Stabilized		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.31	g/cm³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6100	MPa	ISO 527-2/1
Tensile Stress (Yield)	106	MPa	ISO 527-2/5
Tensile Strain (Break)	3.2	%	ISO 527-2/5
Flexural Modulus ¹	6000	MPa	ISO 178
Flexural Stress	160	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ² (23°C)	13	kJ/m²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	55	kJ/m²	ISO 180/1U
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+7 to 1.0E+9	ohms	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.15 to 0.25	%	
Rear Temperature	249 to 260	°C	
Middle Temperature	266 to 277	°C	
Front Temperature	277 to 288	°C	
Processing (Melt) Temp	266 to 277	°C	
Mold Temperature	82.2 to 93.3	°C	
Back Pressure	0.344 to 0.689	MPa	

Screw Speed	30 to 60	rpm
NOTE		
1.	2.0 mm/min	
2.	80*10*4	
3.	80*10*4	

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